

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039428.D
 Acq On : 14 Apr 2023 01:50
 Operator : CG/JU
 Sample : 02305-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-232

Quant Time: Apr 14 05:21:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

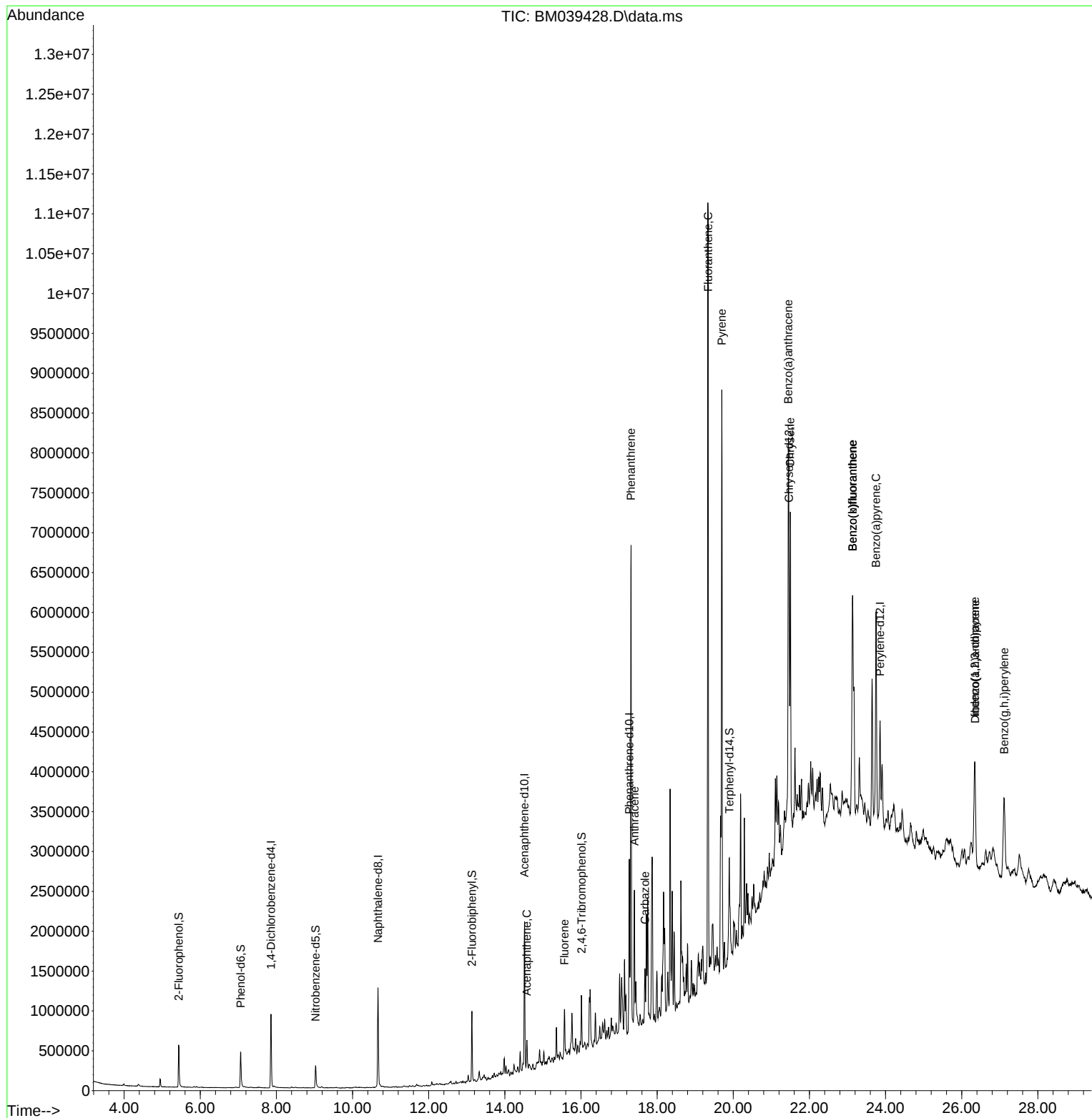
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	257967	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	1064003	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	631039	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1276792	20.000	ng	0.00
76) Chrysene-d12	21.462	240	941732	20.000	ng	0.00
86) Perylene-d12	23.856	264	1081653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	255964	14.949	ng	0.01
7) Phenol-d6	7.063	99	326704	14.752	ng	0.03
23) Nitrobenzene-d5	9.028	82	190196	8.688	ng	0.00
42) 2,4,6-Tribromophenol	16.016	330	113512	14.171	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	464928	9.983	ng	0.00
79) Terphenyl-d14	19.898	244	605377	11.877	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.580	154	132094	3.607	ng	99
58) Fluorene	15.569	166	268379	5.749	ng	98
71) Phenanthrene	17.315	178	3651375	52.216	ng	100
72) Anthracene	17.404	178	1058749	14.848	ng	99
73) Carbazole	17.680	167	374974	5.628	ng	99
75) Fluoranthene	19.339	202	5976560	74.977	ng	99
78) Pyrene	19.698	202	4700914	70.120	ng	99
81) Benzo(a)anthracene	21.445	228	2443213	36.786	ng	99
83) Chrysene	21.498	228	2353857	36.712	ng	97
87) Indeno(1,2,3-cd)pyrene	26.344	276	1366241	17.143	ng	95
88) Benzo(b)fluoranthene	23.133	252	2944604	44.491	ng	97
89) Benzo(k)fluoranthene	23.133	252	2944604	43.679	ng	# 97
90) Benzo(a)pyrene	23.750	252	1965919	30.237	ng	97
91) Dibenzo(a,h)anthracene	26.350	278	391695	5.853	ng	# 84
92) Benzo(g,h,i)perylene	27.115	276	1345179	20.440	ng	99

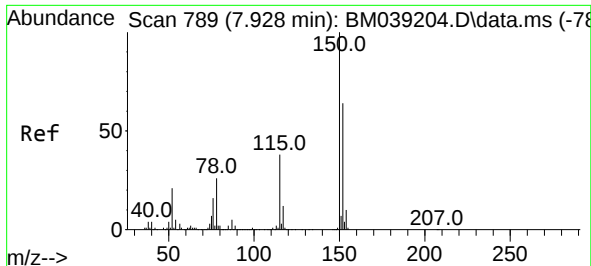
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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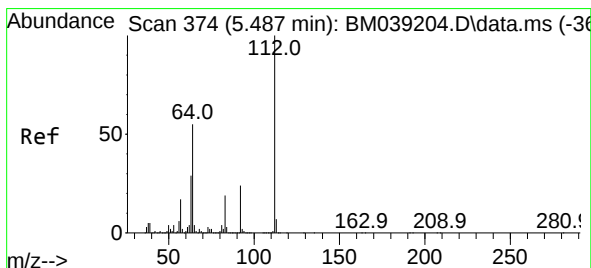
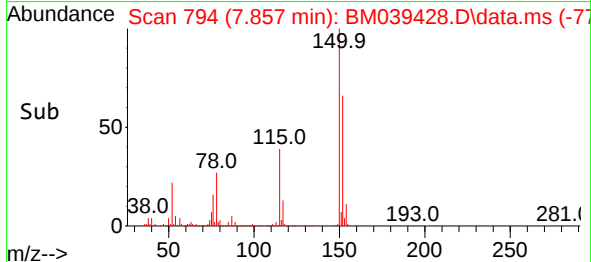
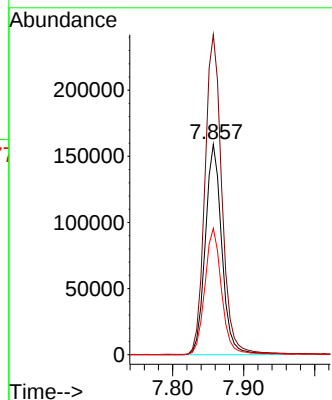
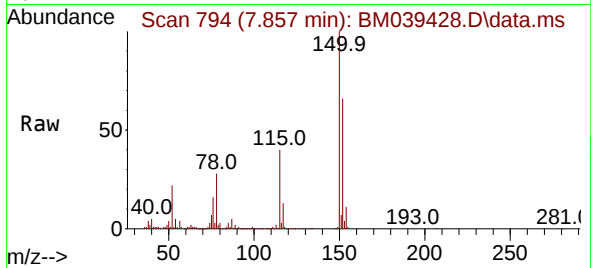




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.006 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

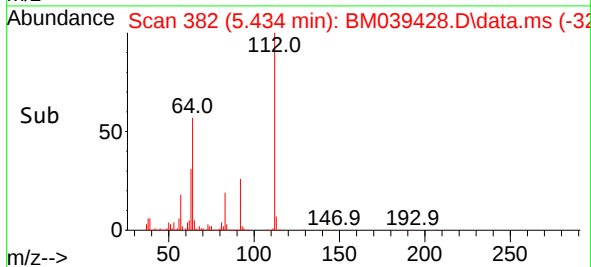
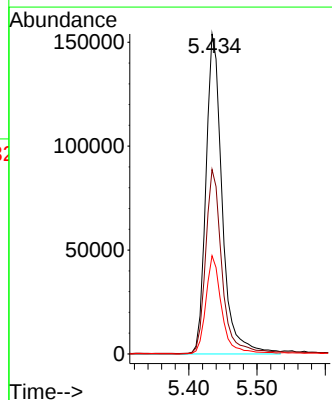
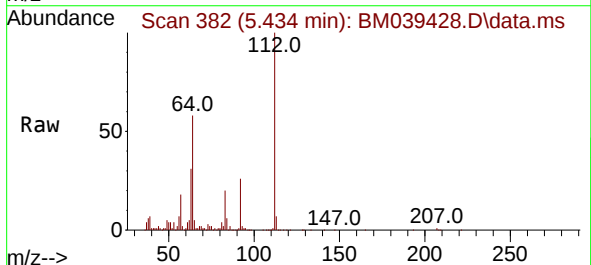
Instrument :
BNA_M
ClientSampleId :
VNJ-232

Tgt Ion:152 Resp: 257967
Ion Ratio Lower Upper
152 100
150 152.1 125.5 188.3
115 60.1 48.1 72.1



#5
2-Fluorophenol
Concen: 14.949 ng
RT: 5.434 min Scan# 382
Delta R.T. 0.012 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion:112 Resp: 255964
Ion Ratio Lower Upper
112 100
64 57.6 44.3 66.5
63 30.7 23.0 34.6

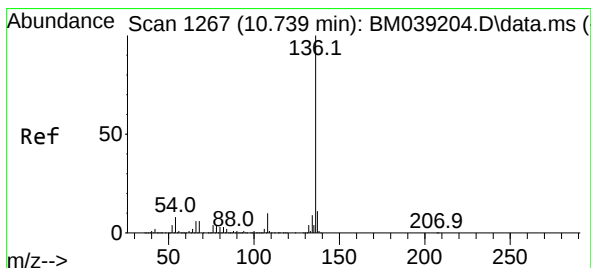
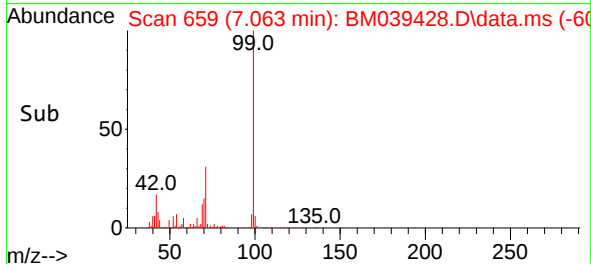
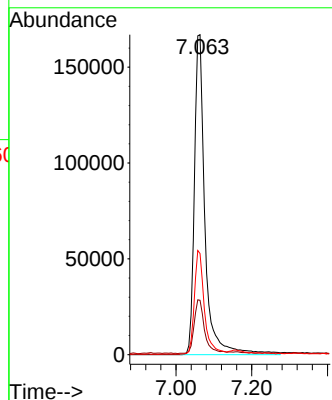
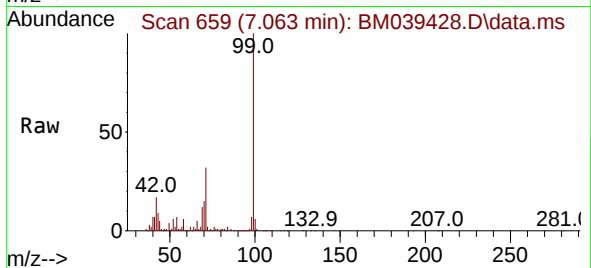




#7
Phenol-d6
Concen: 14.752 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.030 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

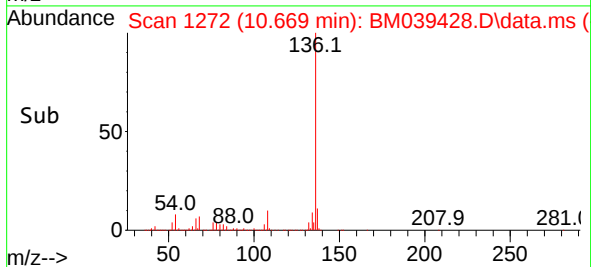
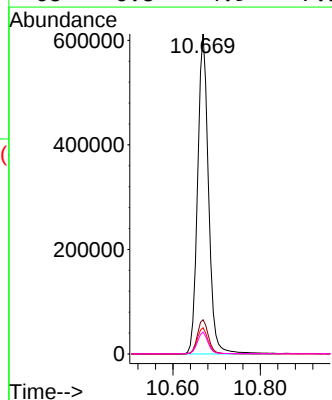
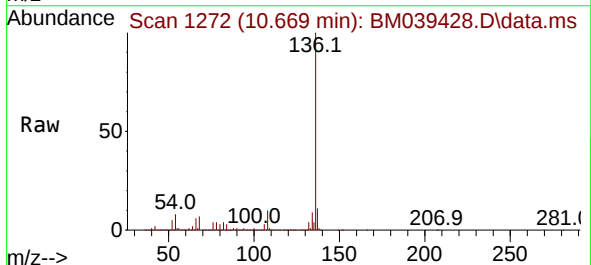
Instrument :
BNA_M
ClientSampleId :
VNJ-232

Tgt Ion: 99 Resp: 326704
Ion Ratio Lower Upper
99 100
42 17.0 13.0 19.6
71 31.6 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion: 136 Resp: 1064003
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.2 6.2 9.4
68 6.8 4.9 7.3

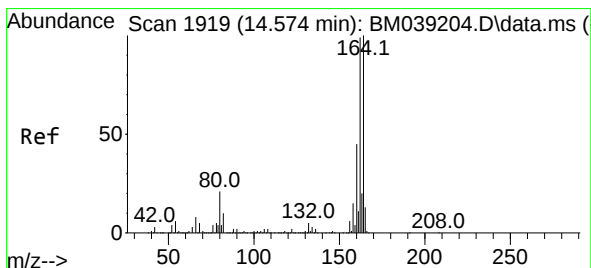
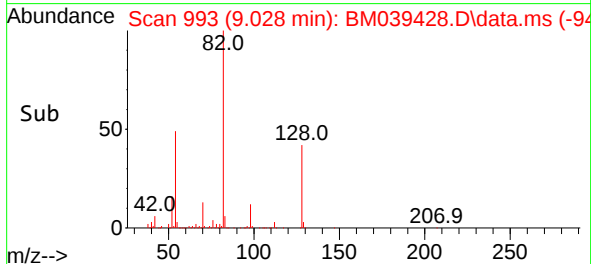
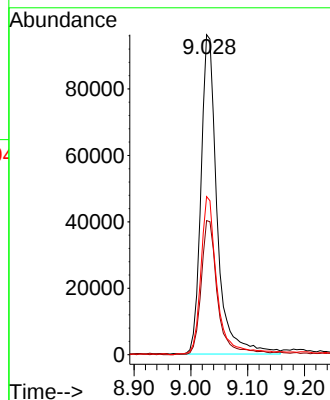
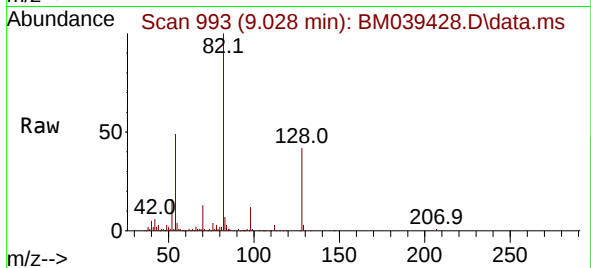




#23
Nitrobenzene-d5
Concen: 8.688 ng
RT: 9.028 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

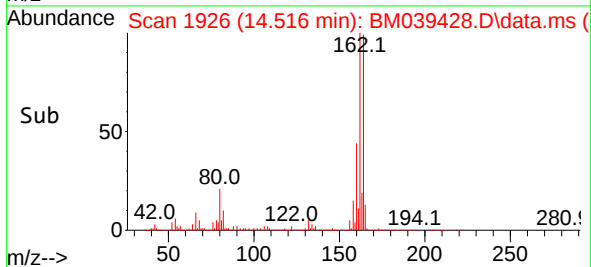
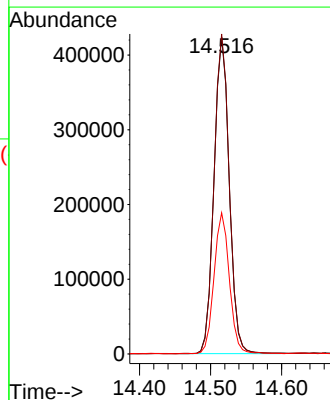
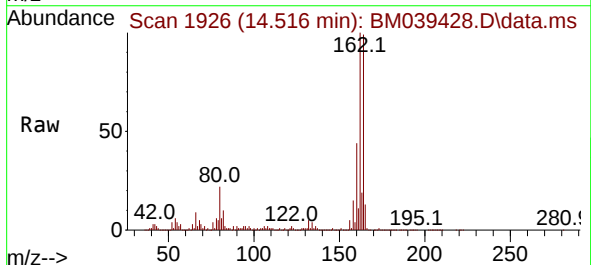
Instrument :
BNA_M
ClientSampleId :
VNJ-232

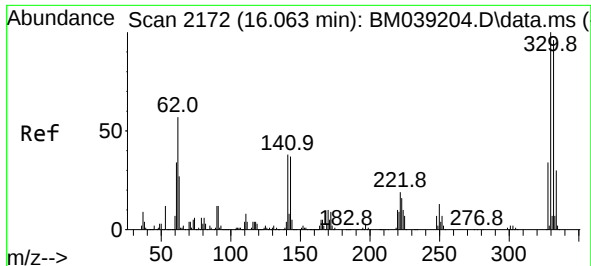
Tgt Ion: 82 Resp: 190196
Ion Ratio Lower Upper
82 100
128 41.9 35.1 52.7
54 49.4 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion: 164 Resp: 631039
Ion Ratio Lower Upper
164 100
162 101.0 79.1 118.7
160 44.5 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 14.171 ng

RT: 16.016 min Scan# 2172

Delta R.T. 0.000 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

Instrument :

BNA_M

ClientSampleId :

VNJ-232

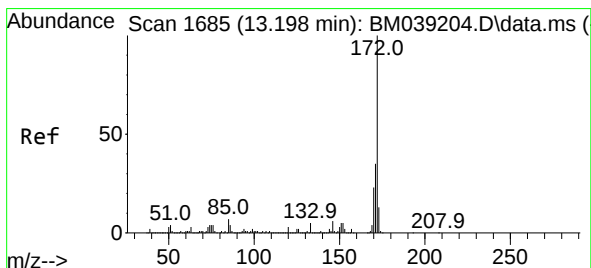
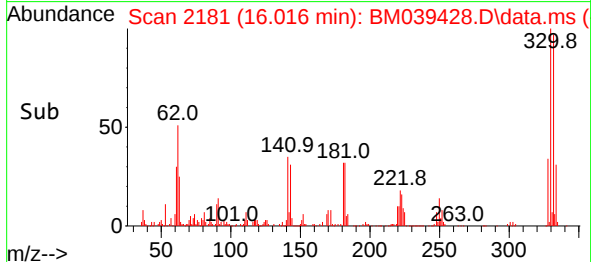
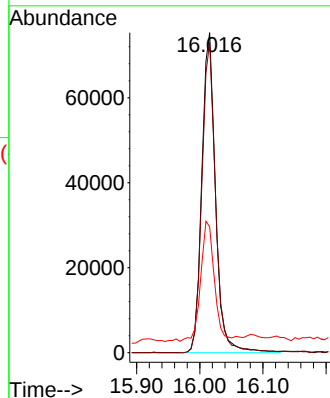
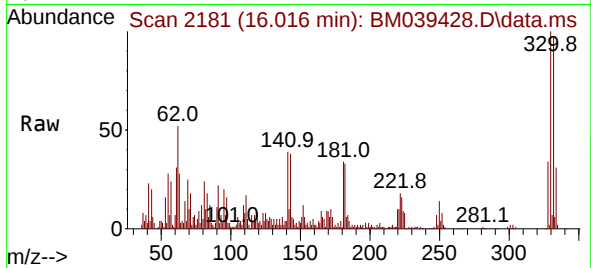
Tgt Ion:330 Resp: 113512

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 37.1 29.8 44.6



#45

2-Fluorobiphenyl

Concen: 9.983 ng

RT: 13.133 min Scan# 1691

Delta R.T. -0.006 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

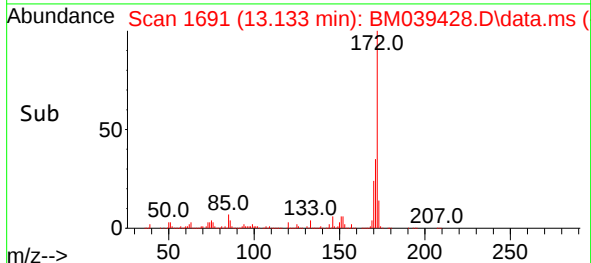
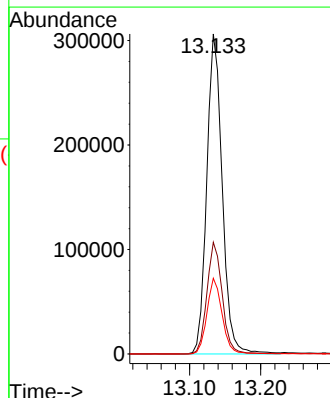
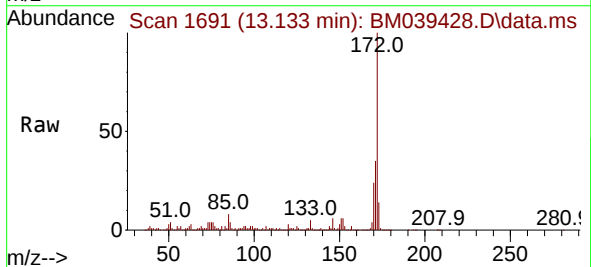
Tgt Ion:172 Resp: 464928

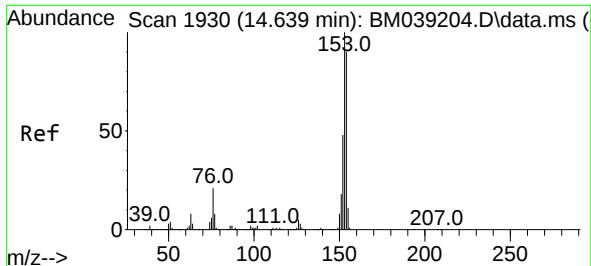
Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 23.6 18.7 28.1

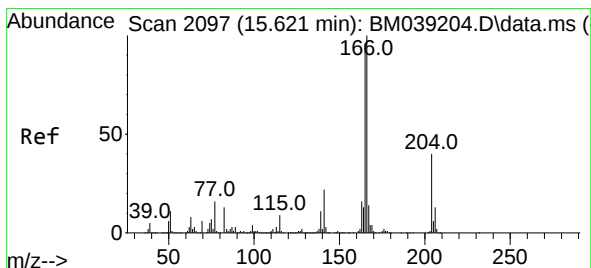
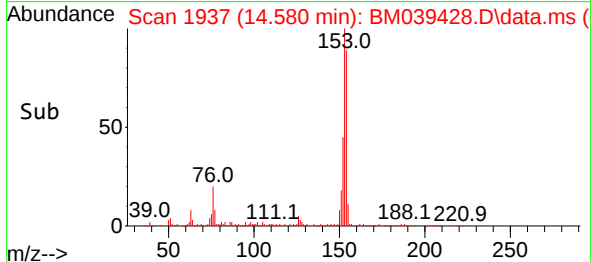
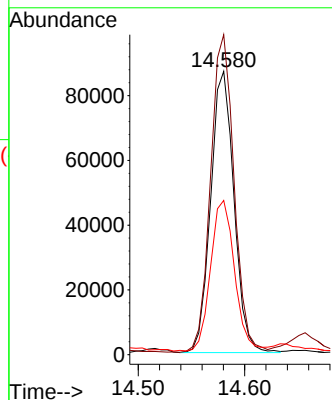
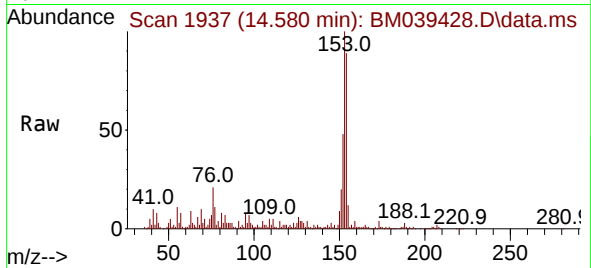




#52
Acenaphthene
Concen: 3.607 ng
RT: 14.580 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

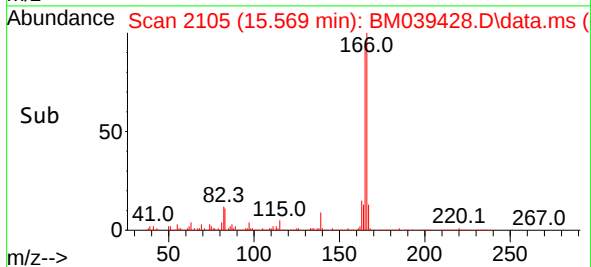
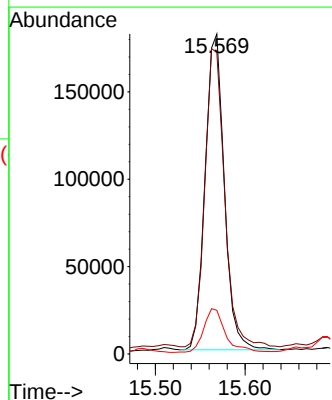
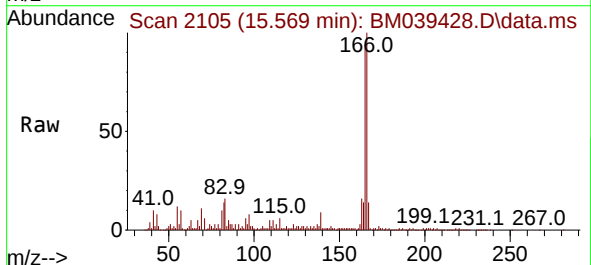
Instrument :
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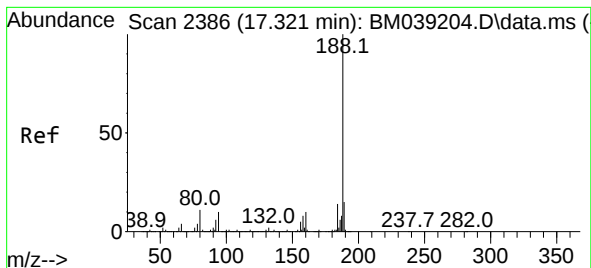
Tgt Ion:154 Resp: 132094
Ion Ratio Lower Upper
154 100
153 112.9 89.1 133.7
152 54.4 42.6 64.0



#58
Fluorene
Concen: 5.749 ng
RT: 15.569 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion:166 Resp: 268379
Ion Ratio Lower Upper
166 100
165 94.2 76.9 115.3
167 13.6 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.268 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

Instrument :

BNA_M

ClientSampleId :

VNJ-232

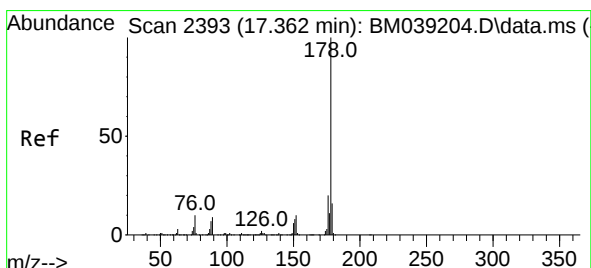
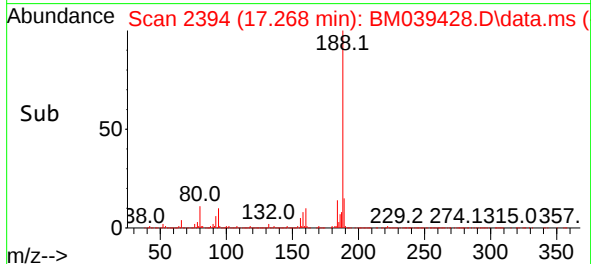
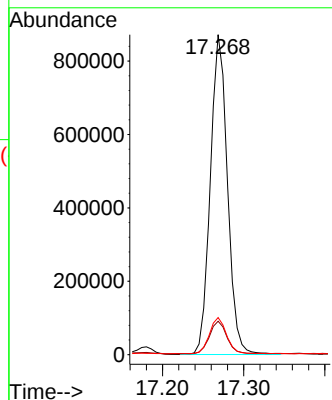
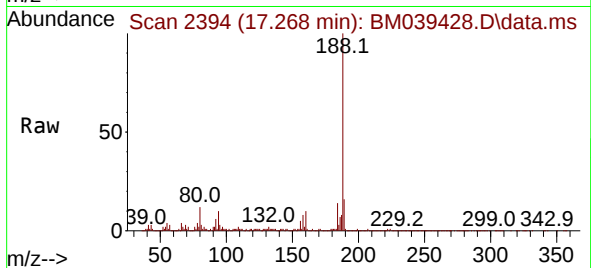
Tgt Ion:188 Resp: 1276792

Ion Ratio Lower Upper

188 100

94 10.4 8.2 12.4

80 11.6 8.9 13.3



#71

Phenanthrene

Concen: 52.216 ng

RT: 17.315 min Scan# 2402

Delta R.T. 0.006 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

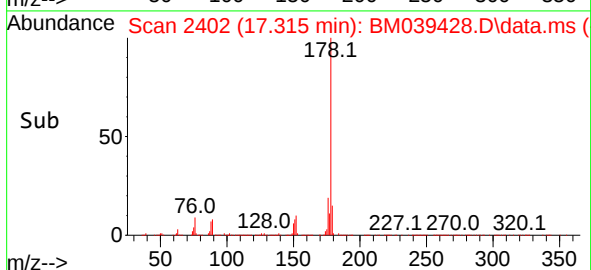
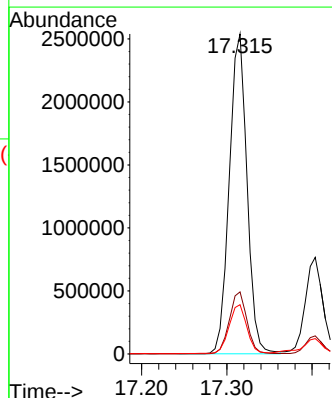
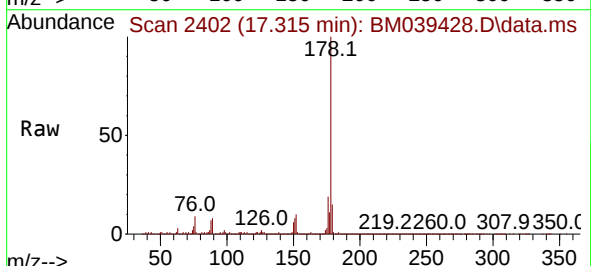
Tgt Ion:178 Resp: 3651375

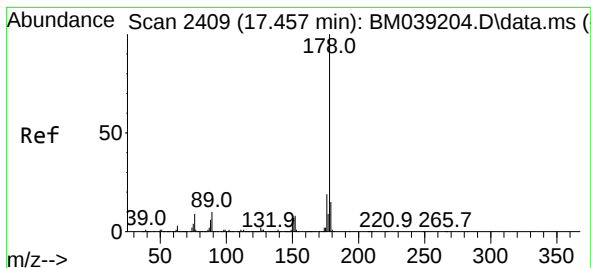
Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 15.4 12.4 18.6





#72

Anthracene

Concen: 14.848 ng

RT: 17.404 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

Instrument :

BNA_M

ClientSampleId :

VNJ-232

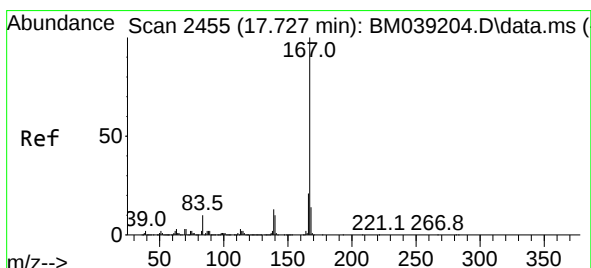
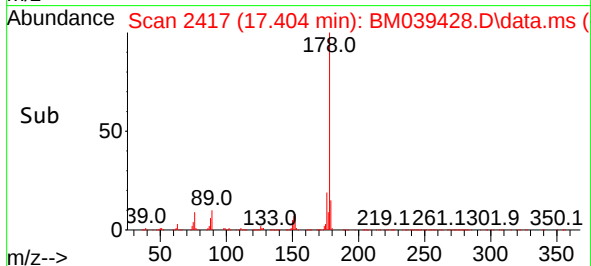
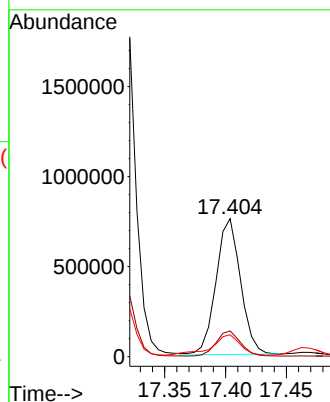
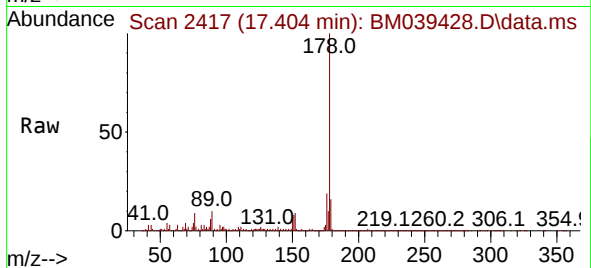
Tgt Ion:178 Resp: 1058749

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.8 12.2 18.2



#73

Carbazole

Concen: 5.628 ng

RT: 17.680 min Scan# 2464

Delta R.T. 0.000 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

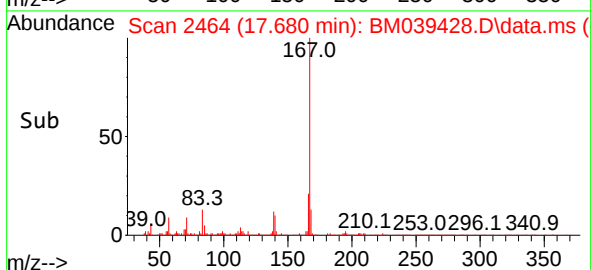
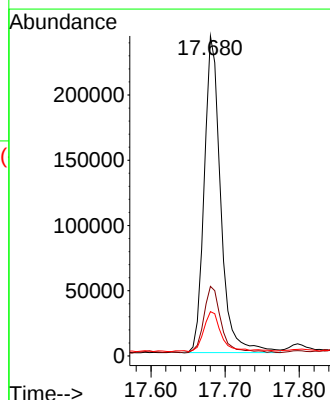
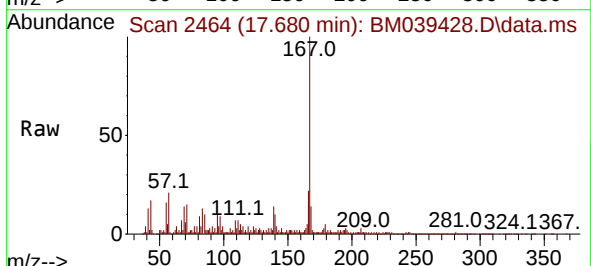
Tgt Ion:167 Resp: 374974

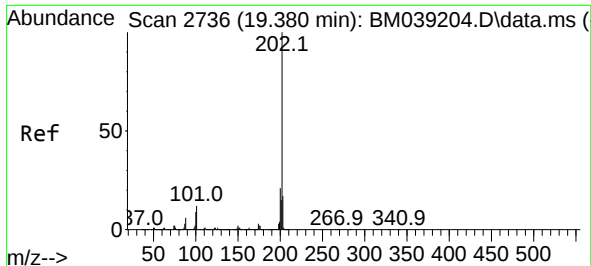
Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

139 13.8 10.6 16.0

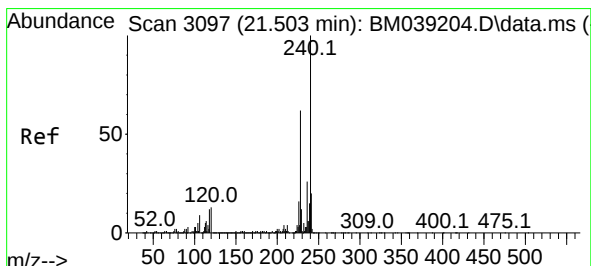
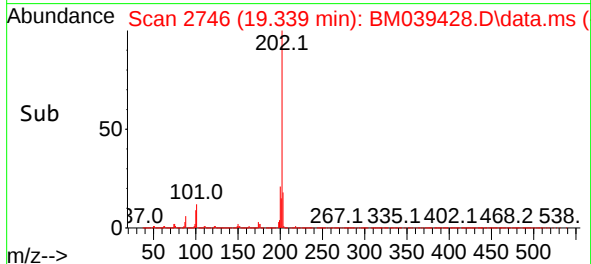
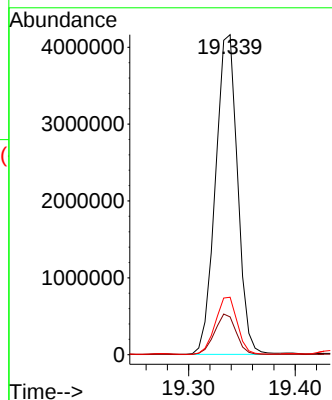
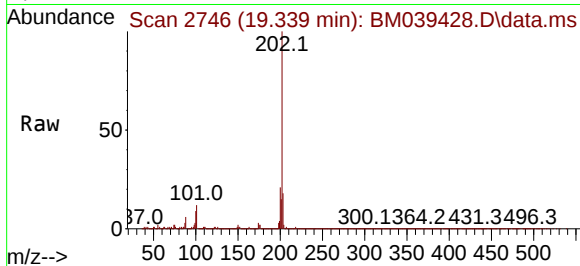




#75
Fluoranthene
Concen: 74.977 ng
RT: 19.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

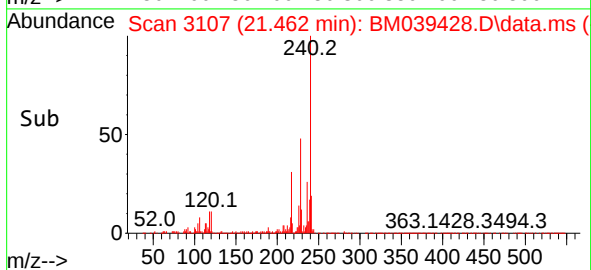
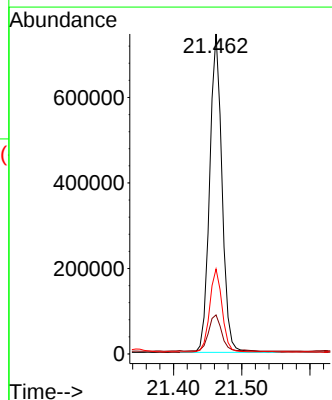
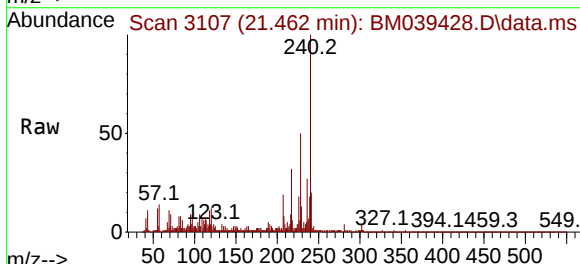
Instrument :
BNA_M
ClientSampleId :
VNJ-232

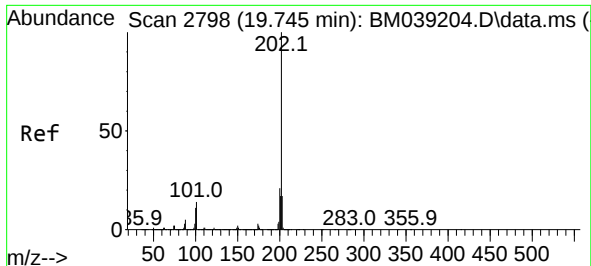
Tgt Ion:202 Resp: 5976560
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.5
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion:240 Resp: 941732
Ion Ratio Lower Upper
240 100
120 12.2 10.2 15.2
236 26.5 20.9 31.3

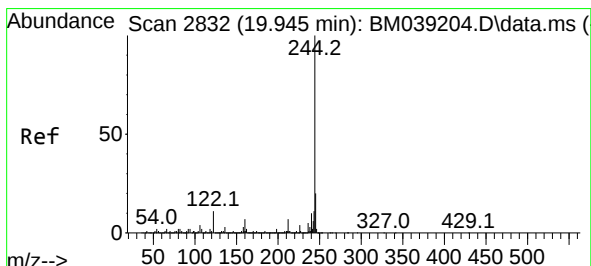
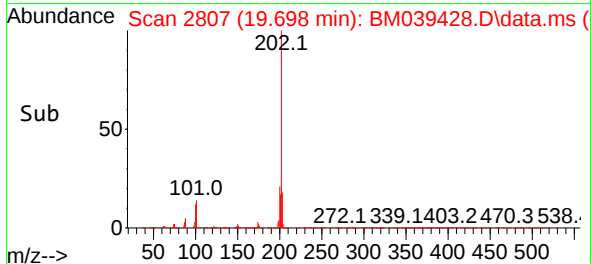
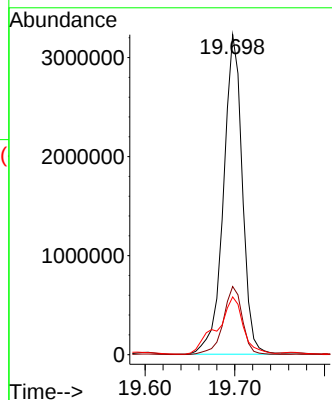
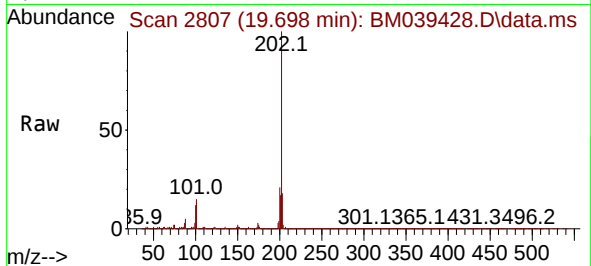




#78
Pyrene
Concen: 70.120 ng
RT: 19.698 min Scan# 2807
Delta R.T. 0.000 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

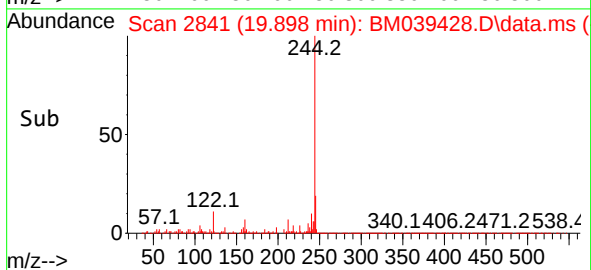
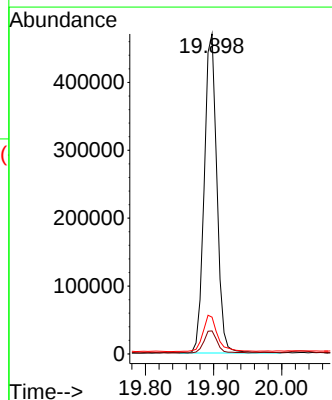
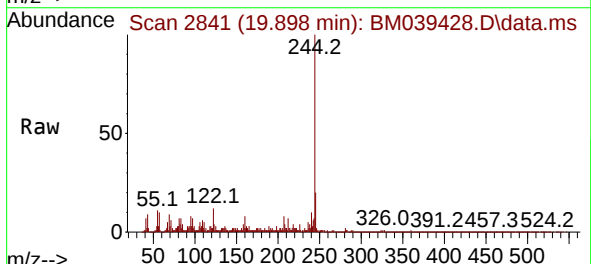
Instrument :
BNA_M
ClientSampleId :
VNJ-232

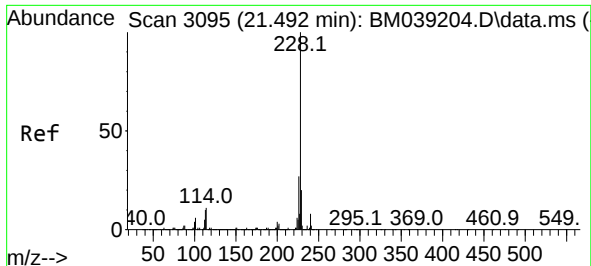
Tgt Ion:202 Resp: 4700914
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.0 13.9 20.9



#79
Terphenyl-d14
Concen: 11.877 ng
RT: 19.898 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion:244 Resp: 605377
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 11.5 9.1 13.7

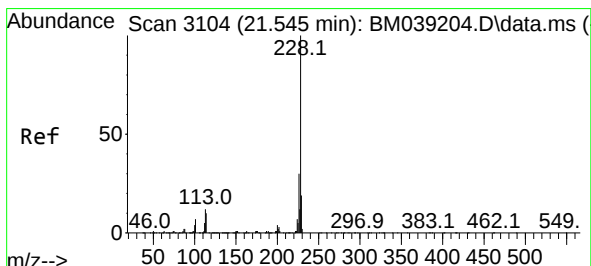
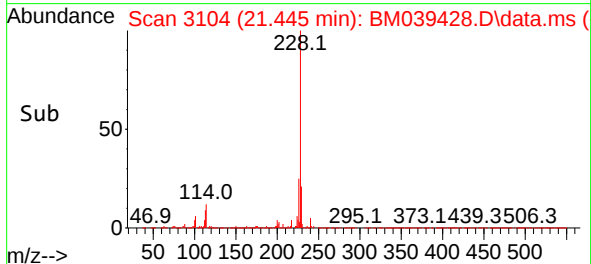
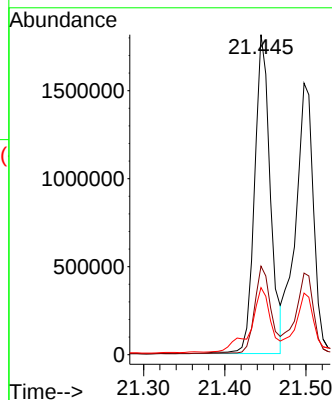
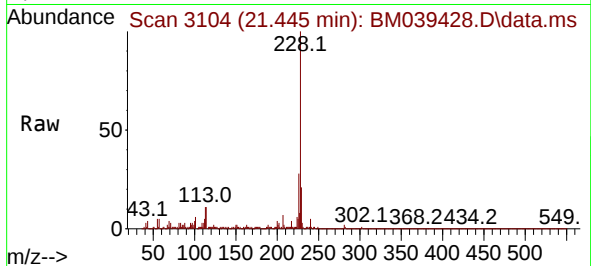




#81
Benzo(a)anthracene
Concen: 36.786 ng
RT: 21.445 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

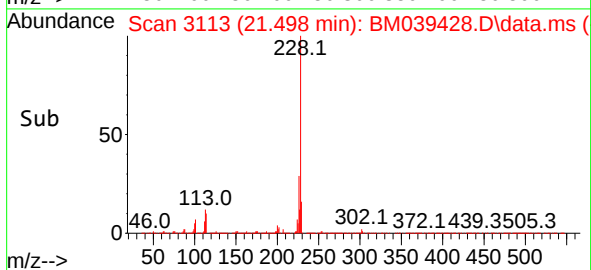
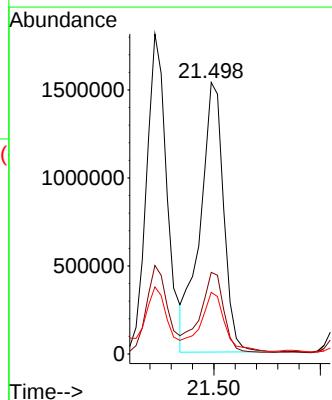
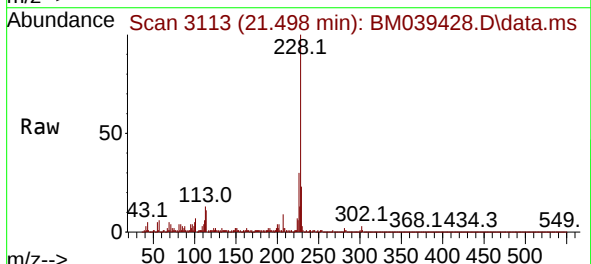
Instrument :
BNA_M
ClientSampleId :
VNJ-232

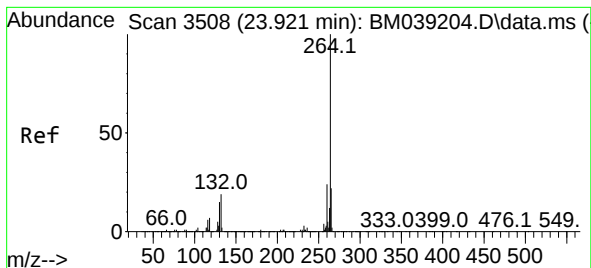
Tgt Ion:228 Resp: 2443213
Ion Ratio Lower Upper
228 100
226 27.7 21.9 32.9
229 21.0 15.8 23.6



#83
Chrysene
Concen: 36.712 ng
RT: 21.498 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion:228 Resp: 2353857
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 22.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.856 min Scan# 3514

Delta R.T. 0.006 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

Instrument :

BNA_M

ClientSampleId :

VNJ-232

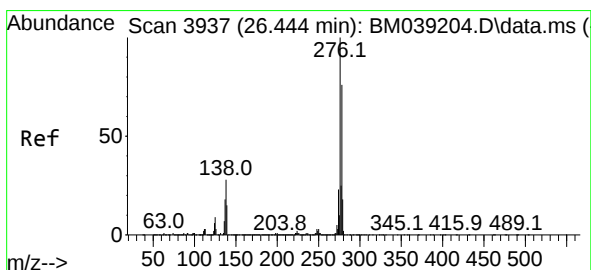
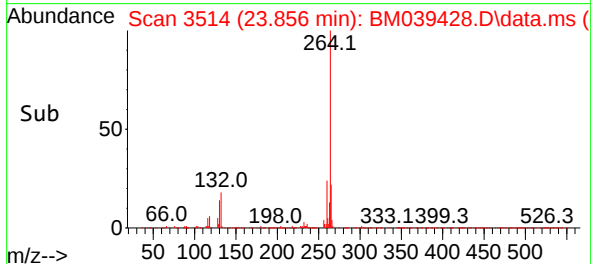
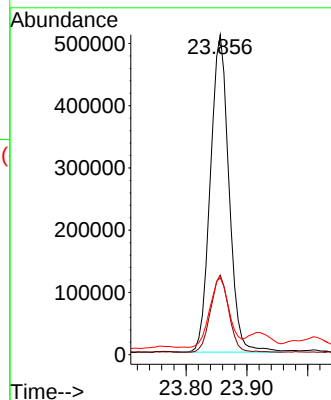
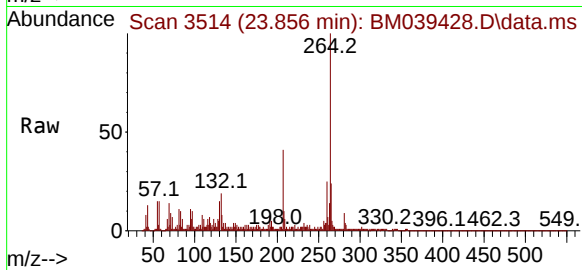
Tgt Ion:264 Resp: 1081653

Ion Ratio Lower Upper

264 100

260 24.8 19.0 28.6

265 24.0 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.143 ng

RT: 26.344 min Scan# 3937

Delta R.T. 0.006 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

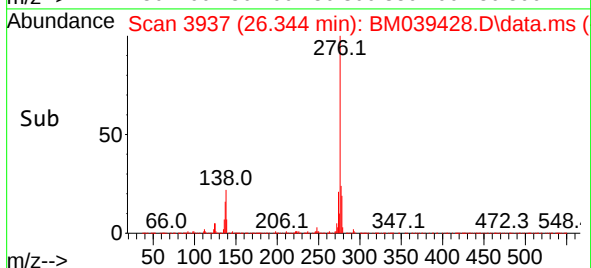
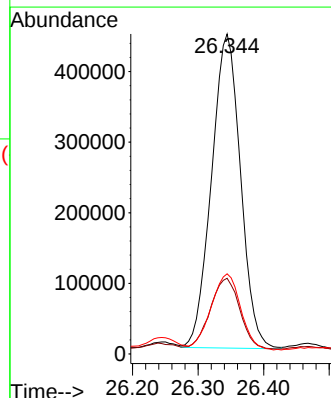
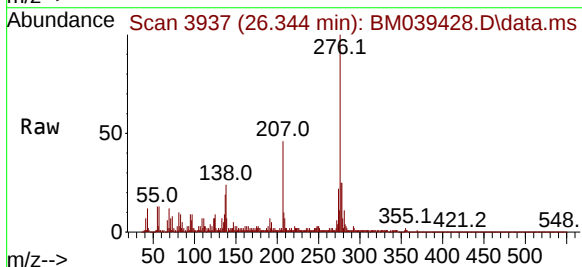
Tgt Ion:276 Resp: 1366241

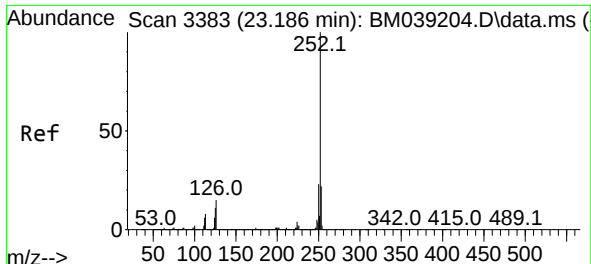
Ion Ratio Lower Upper

276 100

138 23.6 22.2 33.2

277 24.8 20.2 30.2

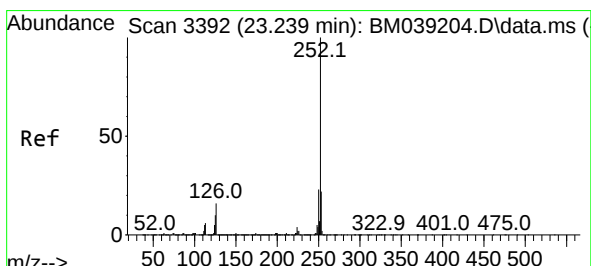
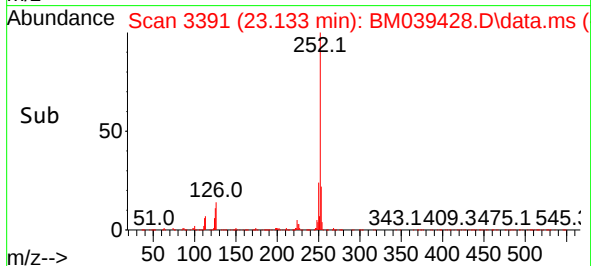
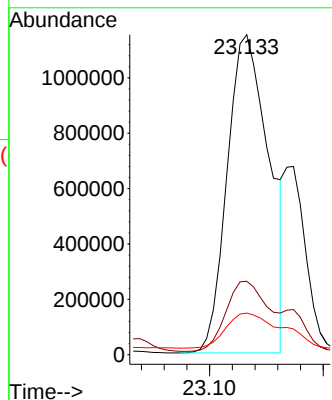
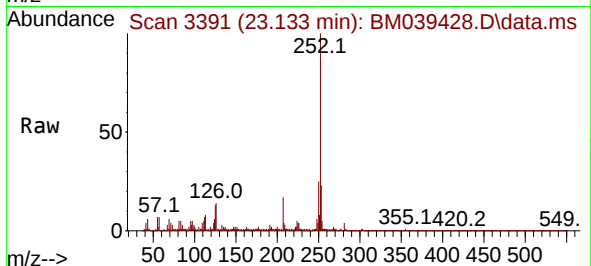




#88
Benzo(b)fluoranthene
Concen: 44.491 ng
RT: 23.133 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

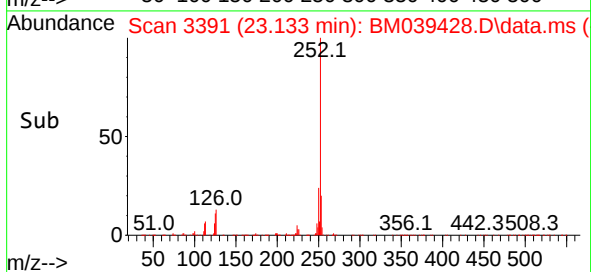
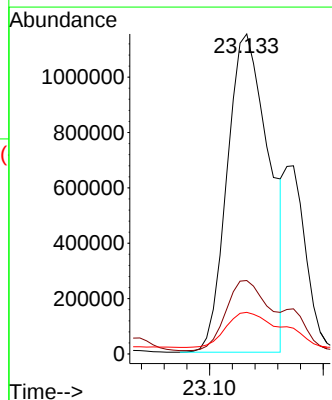
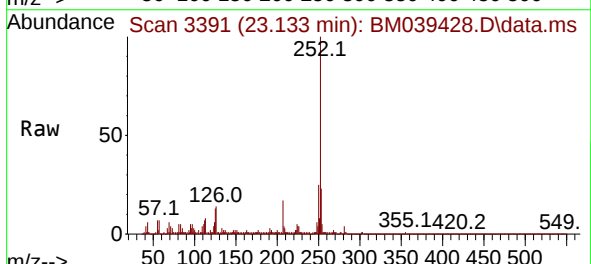
Instrument :
BNA_M
ClientSampleId :
VNJ-232

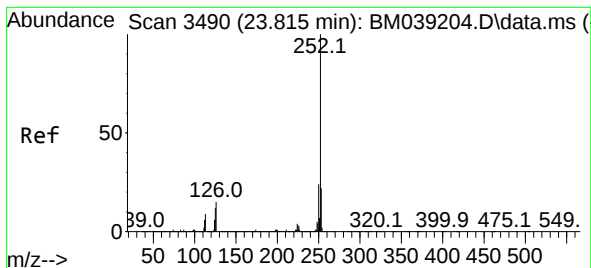
Tgt Ion:252 Resp: 2944604
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 13.0 9.0 13.6



#89
Benzo(k)fluoranthene
Concen: 43.679 ng
RT: 23.133 min Scan# 3391
Delta R.T. -0.041 min
Lab File: BM039428.D
Acq: 14 Apr 2023 01:50

Tgt Ion:252 Resp: 2944604
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 13.0 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 30.237 ng

RT: 23.750 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

Instrument :

BNA_M

ClientSampleId :

VNJ-232

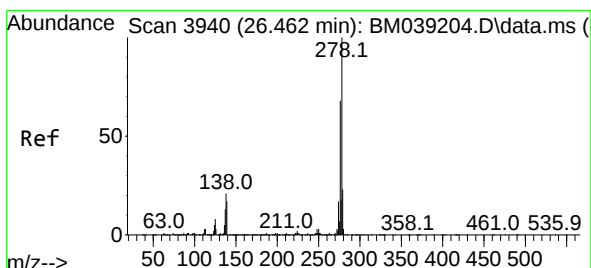
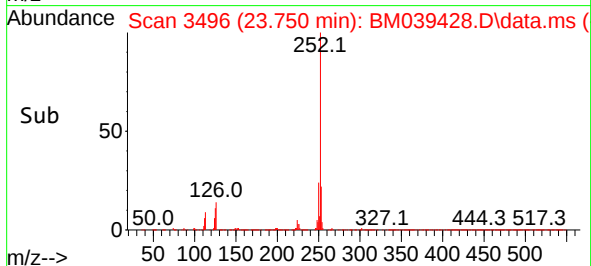
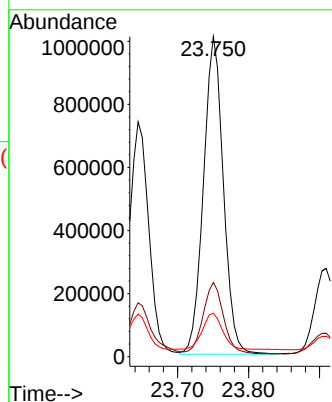
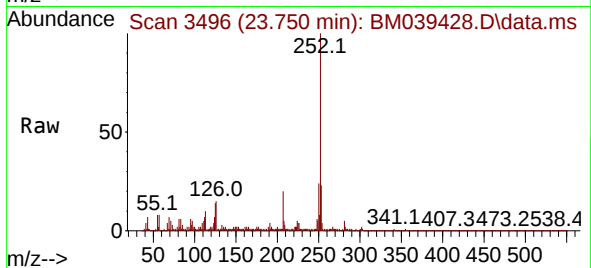
Tgt Ion:252 Resp: 1965919

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 13.6 9.8 14.6



#91

Dibenzo(a,h)anthracene

Concen: 5.853 ng

RT: 26.350 min Scan# 3938

Delta R.T. 0.000 min

Lab File: BM039428.D

Acq: 14 Apr 2023 01:50

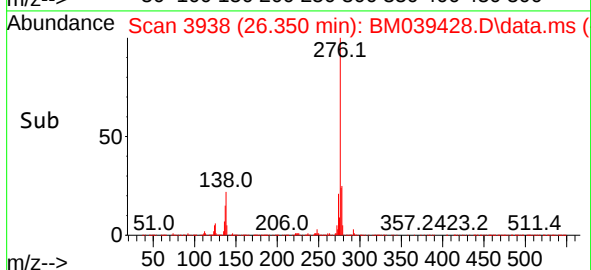
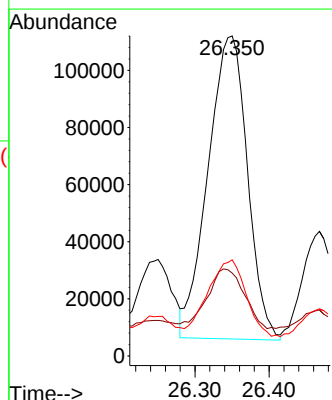
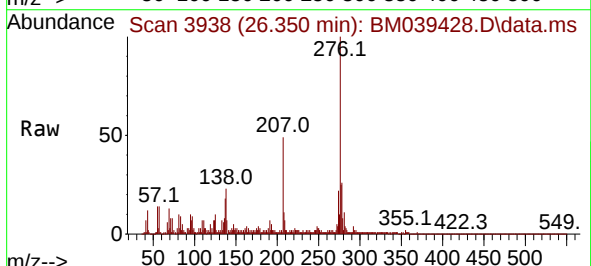
Tgt Ion:278 Resp: 391695

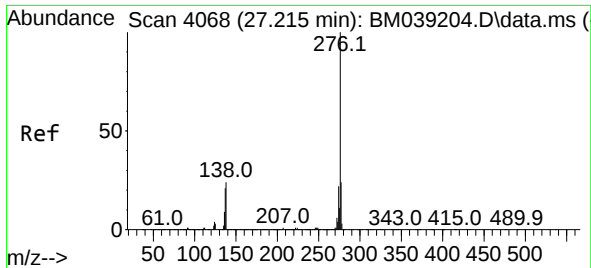
Ion Ratio Lower Upper

278 100

139 25.9 13.9 20.9#

279 30.1 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 20.440 ng
 RT: 27.115 min Scan# 4068
 Delta R.T. 0.012 min
 Lab File: BM039428.D
 Acq: 14 Apr 2023 01:50

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-232

Tgt Ion:276 Resp: 1345179
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.1 28.7
 138 24.0 19.5 29.3

